

20020604.qrp v02_n576.qrl.20020604

Date: Tue, 4 Jun 2002 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2576

QRP-L Digest 2576

Topics covered in this issue include:

- 1) [127685] RE: Lobstercon!! & Ft. Tuthill
by "Dave" <wr3i@earthlink.net>
- 2) [127686] etching
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 3) [127687] RE: New transmission line analysis and charting program
by Nick Kennedy <nkennedy@tcainet.net>
- 4) [127688] Re: Open air feeder impedance
by "Ingo, DK3RED" <dk3red@t-online.de>
- 5) [127689] SWL PSK31
by "Ken Kirkley" <no4d@charter.net>
- 6) [127690] 10th anniversary!!
by Wayne Scace <WM-Scace@wiu.edu>
- 7) [127691] Re: SWL PSK31
by Dave Fouchey <dafouchey@comcast.net>
- 8) [127692] Re: ZM-2 enclosures
by "John O. Newell" <jnewell@attbi.com>
- 9) [127693] Re: SWL PSK31
by "Ken Kirkley" <no4d@charter.net>
- 10) [127694] FS: Unbuilt K1
by Nick Kennedy <nkennedy@tcainet.net>
- 11) [127695] Re: PCB Etching Bubble Bath
by George Gingell <k3tks@u1.abs.net>
- 12) [127696] Surplus Junkbox Parts
by "Brian Murrey" <brian@iquest.net>
- 13) [127697] Re: New transmission line analysis and charting program
by "George, W5YR" <w5yr@att.net>
- 14) [127698] ARS SP Not so hot tonight
by "Rod N0RC" <rod@n0rc.com>
- 15) [127699] Re: ARS SP Not so hot tonight
by "Jeff Davis" <n9avg@att.net>
- 16) [127700] EH Antenna Demo - Why not!
by "Sam Billingsley" <sambillingsley@earthlink.net>
- 17) [127701] Re: ZM-2 enclosures
by Lew Paceley <lew@paceley.com>
- 18) [127702] Re: EH Antenna Demo - Why not!
by "George, W5YR" <w5yr@att.net>
- 19) [127703] Re: Atlanticon Photo Album now online

- by "Dave Fifield" <dave@redhotradio.com>
- 20) [127704] Steve Weber Digital Power Meter
by "George, W5YR" <w5yr@att.net>
- 21) [127705] Re: etching
by Ed Tanton <n4xy@earthlink.net>
- 22) [127706] PSK31 Revisted...
by Jeff <fantbb@yahoo.com>
- 23) [127707] Re: Steve Weber Digital Power Meter
by Phil Wheeler <w7ox@earthlink.net>
- 24) [127708] Re: PSK31 Revisted...
by "George, W5YR" <w5yr@att.net>
- 25) [127709] Re: PSK31 Revisted...
by Phil Wheeler <w7ox@earthlink.net>
- 26) [127710] "Radio-Shopping" in San Antonio
by "Juan A. Bertolin" <ea5xq@qsl.net>
- 27) [127711] Ft. Tuthill Details?
by "Dave Fifield" <dave@redhotradio.com>
- 28) [127712] RE: Etching Solution PCBs..how to handle it?
by Nick Kennedy <nkennedy@tcainternet.com>
- 29) [127713] Re: Steve Weber Digital Power Meter
by Dave Marling <dbm@klis.com>
- 30) [127714] Re: [fpqrp] Surplus Junkbox Parts
by "Ian C. Purdie" <ianpurdie@integritynet.com.au>
- 31) [127715] Good homebrew site Down Under
by Mike Czuhajewski <wa8mcq@comcast.net>
- 32) [127716] Kenwood 'flector?
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 33) [127717] RE: EH Antenna Demo - Why not!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 34) [127718] argonaut 509 rear pannel description needed
by Gary Lee <kb9zuv@arrl.net>
- 35) [127719] Re: argonaut 509 rear pannel description needed
by David Gauding <david.gauding@bbs.galilei.com>
- 36) [127720] LOBSTERCON web & directions
by "ss lyon" <sslyon@megalink.net>
- 37) [127721] Re: Kenwood 'flector?
by William R Colbert <w5xe@juno.com>
- 38) [127722] FS MFJ 9030
by "Corey Dean KF3DY" <hamop@repeater.net>
- 39) [127723] RE: Open air feeder impedance: square tube & round wire
by "Ron McConnell" <rcmcc@earthlink.net>
- 40) [127724] NEQRP SSB NET tonight 7:30PM EDST 7.285 +- 0.005 MHZ
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 41) [127725] RE: EH Antenna Demo - Why not!
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 42) [127726] RE: EH Antenna Demo - Why not!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 43) [127727] RE: EH Antenna Demo - Why not!

by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
44) [127728] Re: FW: QRP-L 2575: Open air feeder impedance: round wire &
square tube
by George Murphy VE3ERP <ve3erp@encode.com>
45) [127729] Re: Opinion?
by "Lau, Zack, W1VT" <zlau@arrl.org>
46) [127730] Re: Ft. Tuthill Details?
by Bob Nielsen <nielsen@oz.net>
47) [127731] Re: Help with mystery parts?
by "Lau, Zack, W1VT" <zlau@arrl.org>
48) [127732] RE: Ft. Tuthill Details?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
49) [127733] RE: EH Antenna Demo - Why not!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
50) [127734] unknown zeners
by William Carver <bcarver@safelink.net>
51) [127735] Re: Help with mystery parts? : FAST current regulator
by Ed Tanton <n4xy@earthlink.net>
52) [127736] FW: NEC-LIST: New transmission line analysis and charting progra
m
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
53) [127737] Re: Steve Weber Digital Power Meter
by Ed Tanton <n4xy@earthlink.net>
54) [127738] 'mergency, 'mergency!
by euramcom pages <mel@euramcom.freemove.co.uk>
55) [127739] 'mergency unsub
by euramcom pages <mel@euramcom.freemove.co.uk>
56) [127740] Direct e-mail
by euramcom pages <mel@euramcom.freemove.co.uk>
57) [127741] Re: Steve Weber Digital Power Meter
by Ron KU7Y <mwmmod@bigplanet.com>
58) [127742] RE: Etching Solution PCBs..how to handle it?
by "Tracy Markham" <tracy@bytemark.com>
59) [127743] Help needed
by KC1DI <elbc@pivot.net>
60) [127744] RE: Steve Weber Digital Power Meter
by "Michael N4NMR" <bowerm@ix.netcom.com>
61) [127745] DeMaw Book
by "Tracy Markham" <tracy@bytemark.com>
62) [127746] RE: Etching Solution PCBs..how to handle it?
by "Leon Heller" <leon_heller@hotmail.com>
63) [127747] RE: Unbuilt K1--IT'S SOLD
by Nick Kennedy <nkennedy@tcainternet.com>

Date: Mon, 3 Jun 2002 19:31:15 -0400
From: "Dave" <wr3i@earthlink.net>

To: <ki6ds@dph.dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [127685] RE: Lobstercon!! & Ft. Tuthill
Message-ID: <FAEEKPCBNNDNKGMPIBKGEEKCDAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doug,
where in Maine is lobstercon it might make a good camping trip
Dave
WR3I

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Doug Hendricks
Sent: Monday, June 03, 2002 12:01 AM
To: Low Power Amateur Radio Discussion
Subject: Lobstercon!! & Ft. Tuthill

Guys, I will be leaving this Friday morning for Lobstercon, which is being hosted by Rex Harper in Maine, July 5,6,7 and will then be traveling to Ft. Tuthill for the Az. ScQRPions annual bash the last weekend in July. Should be a blast. I am really looking forward to seeing all of you QRPers who can make either or both events. (Yes I know of at least 2 guys who are planning on going to both.) There are other QRP events going on this summer that I know of. Hamcon is this weekend in Dallas, Iowacon is next weekend in Sioux City I believe (hosted by Iowa QRP Club), and I think Austin has an event in August, but I can't remember the name of it. Anyway, the point is, get out and attend as many of these events as you can, as they are always fun, and you meet the nicest people there. Oh, and a teaser, Dave Benson is working on something special just for Lobstercon. I have seen it, and it is way cool. But you gotta be there to see it. 72, Doug

Date: Mon, 3 Jun 2002 18:57:39 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127686] etching
Message-ID: <008b01c20b57\$f4f8c6c0\$d2af2341@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

NEVER, NEVER add water to acid, the acid will get hot VERY quickly and may explode!!!! ALWAYS add the acid to the water, this way the water can dissipate the heat safely!!!!!! Have a good, and safe, day!!
carl / kz5ca

Date: Tue, 4 Jun 2002 07:13:21 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'bethdan@pacbell.net'" <bethdan@pacbell.net>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127687] RE: New transmission line analysis and charting program
Message-ID: <01C20B97.4FF63D20.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks a lot, Dan.

It's an amazing program that's going to help a lot of people like me see more clearly into the complex subject of transmission line behavior. It can see it doing a lot of good, both for people studying the subject and for practical design work.

73--Nick, WA5BDU

-----Original Message-----

From: Dan Maguire [SMTP:bethdan@pacbell.net]
Sent: Sunday, June 02, 2002 3:39 AM
To: Low Power Amateur Radio Discussion
Subject: New transmission line analysis and charting program

TLDetails is a new program that may be used to study transmission line behavior. Results are displayed in tabular format and on "animated" (quickly redrawn) charts. The program has built-in specs for 47 different lines, including the revised results from the Wes Stewart study on Wireman ladder line. You can also define up to 3 custom lines.

See the "TLDetails" section at <http://www.qsl.net/ac6la> for more information and a free download file.

73,
Dan AC6LA

Date: Tue, 04 Jun 2002 02:33:55 +0200
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [127688] Re: Open air feeder impedance
Message-ID: <3CFC0AF3.50B79678@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Ed,

> Yes, I did think it was one of those European comma things. :-)

Do not think it was one of those European comma things. See on my call and you KNOW it was one. ;o))

--
72/73 de Ingo, DK3RED Don't forget: the fun is the power!
 dk3red@t-online.de <http://www.t-online.de/~dk3red>
 DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Mon, 3 Jun 2002 20:38:44 -0400
From: "Ken Kirkley" <no4d@charter.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [127689] SWL PSK31
Message-ID: <000501c20b60\$2ed62fb0\$0200a8c0@LAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well gang...I spent this past week in St. Augustine, FL, at Anastasia State Park camping. While there I had a chance to put my recently finished Small Wonders Lab PSK31 20 meters rig thru its steps. Must say it did a great job. While hooked to a Radio Shack speaker wire dipole at 8 feet high, I was able to work 15 contacts from Canada to Texas to the Ukraine...all while running a mighty 3 watts. Thanks Dave for a great little kit! Now...where do I go from here?!

73 & God Bless,

Ken/N04D

Date: Tue, 04 Jun 2002 01:08:30 +0100
From: Wayne Scace <WM-Scace@wiu.edu>
To: "low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127690] 10th anniversary!!
Message-ID: <5.1.0.14.0.20020604010815.01e3a380@POP3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

Wayne K9DI es Sequoia here. I sat down es looked at my first license es the effective date was 2 June 1992. Yesterday was my 10th Ham anniversary, es how did I celebrate it, you ask?? I met a few ham friends at a hamfest, es introduced my XYL to the joys of Hamfesting!!!! We saved her 55 bux on a software package that is gonna help her with her Spanish class this fall.

72 es M00/00

de

Wayne K9DI

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net

k9di@qsl.net

LICQ# 315313

FISTS# 4409

QRP-L# 2313

QRPP-L# 243

FPQRP-L# 217

SOC# 452

ARS # 1,082

Zombie # 800

<http://www.qsl.net/k9di>

Date: Mon, 03 Jun 2002 21:10:34 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: no4d@charter.net,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127691] Re: SWL PSK31
Message-ID: <4.1.20020603210822.009a5f00@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Ken keep going south on I-95 until you get to the entrance to Key Biscayne,
and try it from there!<G>

sounds like the Honorable Dave Benson has done it yet again.

73's
Dave
WA4EMR
Sterling Heights, MI

At 08:38 PM 6/3/2002 -0400, Ken Kirkley wrote:

>Well gang...I spent this past week in St. Augustine, FL, at Anastasia State
>Park camping. While there I had a chance to put my recently finished Small
>Wonders Lab PSK31 20 meters rig thru its steps. Must say it did a great job.
>While hooked to a Radio Shack speaker wire dipole at 8 feet high, I was able
>to work 15 contacts from Canada to Texas to the Ukraine...all while running
>a mighty 3 watts. Thanks Dave for a great little kit! Now...where do I go
>from here?!

>

>73 & God Bless,

>

>Ken/N04D

>

>

Date: Mon, 03 Jun 2002 21:18:07 -0400
From: "John O. Newell" <jnewell@attbi.com>
To: bowerm@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127692] Re: ZM-2 enclosures
Message-ID: <3CFC154F.B0A5003A@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I put mine in a LMB "crown ____" enclosure that was roughly
5x3x2. This was deeper than necessary, so I cut one part of
the encl down to the right thickness. This left the other

half protruding up like wings; they serve well to protect the knobs, etc. during rough handling yet still allow easy access. It's a little hard to describe. Think of the way the wings on the rear sight of, say, a 1917 Enfield rifle come up to protect the aperture. The aluminum was a breeze to cut on a table saw with an old carbide blade -- very neat and square.

73

John Newell

KB1FPM

Date: Tue, 4 Jun 2002 21:23:10 -0400
From: "Ken Kirkley" <no4d@charter.net>
To: <qrp-1@lehigh.edu>
Subject: [127693] Re: SWL PSK31
Message-ID: <000f01c20c2f\$8e60cce0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Dave,

Have been to that location on several occasions...if you don't mind I think I will stop at St. Augustine. <grin> Of course...with a Dave Benson rig there is do doubt about it working from there as well!

Thnx for the message!

Ken/N04D

----- Original Message -----

From: "Dave Fouchey" <dafouchey@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, June 03, 2002 9:10 PM
Subject: Re: SWL PSK31

> Ken keep going south on I-95 until you get to the entrance to Key
Biscayne,
> and try it from there!<G>
>
> sounds like the Honorable Dave Benson has done it yet again.
>
> 73's
> Dave

> WA4EMR
> Sterling Heights, MI
>
> At 08:38 PM 6/3/2002 -0400, Ken Kirkley wrote:
> >Well gang...I spent this past week in St. Augustine, FL, at Anastasia
State
> >Park camping. While there I had a chance to put my recently finished
Small
> >Wonders Lab PSK31 20 meters rig thru its steps. Must say it did a great
job.
> >While hooked to a Radio Shack speaker wire dipole at 8 feet high, I was
able
> >to work 15 contacts from Canada to Texas to the Ukraine...all while
running
> >a mighty 3 watts. Thanks Dave for a great little kit! Now...where do I go
> >from here?!
> >
> >73 & God Bless,
> >
> >Ken/N04D
> >
> >
> >
>

Date: Tue, 4 Jun 2002 08:56:18 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [127694] FS: Unbuilt K1
Message-ID: <01C20BA5.B14CB960.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Here's an unbuilt K1 for sale by my good friend Dennis, W5RZ. His note gives the specifics.

72--Nick, WA5BDU

Nick,

I think you offered to put my K1 on the QRP-L reflector - here are the details:

Elecraft K1, unbuilt kit, with two-band module, has components for 40,

20, and 15 so it could be built for any two of those bands. Includes noise blanker. I'll ask \$225.00 since that's what I gave for it.
479-967-4372 or w5rz@arkansas.net

Thanks, 73,
Dennis

Date: Mon, 3 Jun 2002 22:00:39 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: John Moriarity <k6qq@hdo.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127695] Re: PCB Etching Bubble Bath
Message-ID: <20020603215512.Q53083-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

John,

Thanks for the Refresher Course. :^}

Actually, I didn't take Chemistry, but Metal Shop we were supposed to learn some Basics.

Mostly things NOT TO DO ! :^} Naturally some had to find out the hard way.

Like the idiot that thought it cute to add Electrolytics in Soldering Guns. Or Replace them with LV Units on the Superhet Display Board.

No, It was not I. Although I may have been a Suspect:~}

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, Donations Accepted.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

On Mon, 3 Jun 2002, John Moriarity wrote:

> > I can't seem to recall which is the proper method, Adding the Acid to the
> > Water, or Adding the Water to the Acid. I assure you that it DOES MAKE A
> > DIFFERENCE! One is standard and approved procedure, the other is a
> > very Unsafe and Dangerous Practice.

>

> >From H.S. Chemistry:

>

> Add acid to water, and you're doing what you oughta.

> Add water to acid, may your rest be long and placid!

>

> 72,

> John, K6QQ

>

>

>

Date: Mon, 3 Jun 2002 20:30:13 -0500

From: "Brian Murrey" <brian@iquest.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>, "Pigs" <fpqrp-l@mpna.com>

Subject: [127696] Surplus Junkbox Parts

Message-ID: <000701c20b67\$607347e0\$26532bd1@bmurrey2K>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Junkbox Surplus Parts for Sale as of 06/01/2002

Latest Items

=====

LM78L62ACZ Volt regulators, T092 format 5/\$3.00 10/\$5.00

SMT4403's - Surf Mount 2N4403 PNP's - 200/\$5

9.8304 Mhz Crystals, 1/4 in tall - 25 for \$7.00

27mH inductors with radial leads - 50 for \$7.00

Caps - All new, old stock. No pulls.

=====

All caps now 50/\$3 or 100/\$5

=====

8pf NPO Ceramic - Loose

11pf NPO Ceramic - Loose

12pf NPO ceramics on tape

22pf Kemet Ceramic Caps, 200v, 10%

100pf Axial Mono Caps, 100v, 10%

150pf ceramics, 100v, 10%

470pf Ceramics on paper tape, rated 5% (NPO)

560pf Kemet Ceramic Caps, 200v, 10%

1000pf blue mono caps, 10% 100v

3300pf Kemet Ceramic Caps, 100v, 10%

.01 uF ceramic caps, 10% 100v brand new by Kyocera
and

.01 uF ceramic caps, 20% 50v, new old stock, not used
50/2.50 100/\$4

Voltage Regulators

=====

L7805ACV voltage regulators T0220 case. 7/\$4 or 15/\$7

LM7812 voltage regulators. T0220 case. 5/\$4

LM317T Adjust. Positive Voltage Regulator T0220. 6/\$5.00 or 12/\$8.50

Transistors - New Parts - No Pulls

=====

TP2222 plastic T092 NPN (House brand 2N2222) 50/\$4 100/\$7

2N3906's plastic T092. PNP - 50/\$4 100/\$7

2N3904's plastic T092. NPN - 50/\$4 100/\$7

2N3704's plastic T092, NPN - 50/\$4 100/\$7

Op AMPS, Comparators

=====

LM741CN - Single Op Amp, 8 Pin Dip, 6 for \$2.00

<http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf>

BA10324 - LM324 equiv Quad Ground Sense Op Amp 14 pin, 4 for \$2.00

<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA10358 - Dual Ground Sense Op Amp, 8 pin, 5 for \$4.00

<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA10393 - Dual Comparator 8 pin dip, 4 for \$2.00

<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA10339 - Quad Comparator 14 pin, 4 for \$2.00
<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

BA4560 - Dual High Slew Op Amp, 4 for \$2.00
<http://www.rohm.com/products/databook/standard/pdf/ba4560.pdf>

Diodes

=====

1N4148 - You always need these. 100 for \$2.50 These are NEW.

Let me know if you're interested. All prices are post paid to the USA, unless otherwise noted. I will ship to non USA addresses but we need to discuss the shipping charges first.

=====

KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57

=====

Date: Mon, 03 Jun 2002 21:34:46 -0500
From: "George, W5YR" <w5yr@att.net>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127697] Re: New transmission line analysis and charting program
Message-ID: <3CFC2746.1C6D6858@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Let me "Me, too" on this one, Nick. I just got the program the other day and it looks far superior to any other t-lines analyzer program that I have used.

Blessed be the programmers who share the produce of their talents.

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!

QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Nick Kennedy wrote:

>
> Thanks a lot, Dan.
>
> It's an amazing program that's going to help a lot of people like me see
> more clearly into the complex subject of transmission line behavior. It
> can see it doing a lot of good, both for people studying the subject and
> for practical design work.
>
> 73--Nick, WA5BDU

Date: Mon, 3 Jun 2002 21:08:04 -0600
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127698] ARS SP Not so hot tonight
Message-ID: <004201c20b75\$0bc27e10\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

2hrs, on 20m, 22 QSOs.

20m:

- A) Was broke?
- B) Didn't have many testers?
- C) Was long? (I did work Dean KH6B in HI, hear a UA around '056)
- D) B & C?
- E) other?

Setup here was NC20 at 2-3W with BLT tuner and attic doublet.

73, Rod N0RC

Date: Mon, 3 Jun 2002 22:13:44 -0500
From: "Jeff Davis" <n9avg@att.net>

To: <rod@n0rc.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127699] Re: ARS SP Not so hot tonight
Message-ID: <010e01c20b75\$d80af0b0\$9800a8c0@N9AVG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rod.

20m:

A) Was broke.

You were FB here in Indiana with your 3W. I also snagged Dean KH6B and UA6JD, Vlad in Russia on 058. I only had 23 contacts but it was worthwhile to put HI in the log via QRP.

See you next time!

72 de Jeff, N9AVG
<http://n9avg.home.att.net/>

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, June 03, 2002 10:08 PM
Subject: ARS SP Not so hot tonight

2hrs, on 20m, 22 QSOs.

20m:

- A) Was broke?
- B) Didn't have many testers?
- C) Was long? (I did work Dean KH6B in HI, hear a UA around '056)
- D) B & C?
- E) other?

Setup here was NC20 at 2-3W with BLT tuner and attic doublet.

73, Rod N0RC

Date: Mon, 3 Jun 2002 23:15:24 -0400
From: "Sam Billingsley" <sambillingsley@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [127700] EH Antenna Demo - Why not!
Message-ID: <004a01c20b76\$11bed240\$6d3cfea9@BIGBOX>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be happy to bring two antennas, coax, switch a my INDEX rig. Myabe someone would volunteer thier K2 for this.

What's the chance he would just meet me in the parking lot before or after the regular July session?

I don't think tying up the meeting time is worth it but I sure would like to get one real comparison.

I see I'm outnumbered based on the responses but Russ please pass my my personal challenge.

Maybe he could meet us on Field Day!

Sam AE4GX

Date: Mon, 03 Jun 2002 22:24:18 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127701] Re: ZM-2 enclosures
Message-ID: <000301c20b77\$50159280\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Michael,
Chuck Carpenter, W5USJ, mounted his ZM2 in a new cabinet. Check out:
http://www.angelfire.com/tx4/netxqrpclub/projects/w5usj_zm2.jpg
GL es

72/73,
Lew

N5ZE

Date: Mon, 03 Jun 2002 22:43:07 -0500
From: "George, W5YR" <w5yr@att.net>
To: sambillingsley@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127702] Re: EH Antenna Demo - Why not!
Message-ID: <3CFC374B.7F949992@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sam, who is "he?"

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Sam Billingsley wrote:

>
> I will be happy to bring two antennas, coax, switch a my INDEX rig. Myabe
> someone would volunteer thier K2 for this.
>
> What's the chance he would just meet me in the parking lot before or after
> the regular July session?
>
> I don't think tying up the meeting time is worth it but I sure would like to
> get one real comparison.
>
> I see I'm outnumbered based on the responses but Russ please pass my my
> personal challenge.
>
> Maybe he could meet us on Field Day!

Date: Mon, 3 Jun 2002 20:53:30 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <n2apb@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [127703] Re: Atlanticon Photo Album now online
Message-ID: <003301c20b7b\$6455c220\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmm, seems like almost a requirement to have some
facial hair if you're going to be an Atlanticon Speaker....!?

72, Dave, AD6A

----- Original Message -----

From: "George Heron N2APB" <n2apb@erols.com>
Subject: Atlanticon Photo Album now online

> We've now posted a large image collection acquired from the Atlanticon
2002
> QRP Forum held this past April in Baltimore, MD.
>
> You can see this photo album of 134 pics at
> <http://www.njqrp.org/atlanticon/photos.html>
(snip)

Date: Mon, 03 Jun 2002 23:33:24 -0500
From: "George, W5YR" <w5yr@att.net>
To: "qrp-l@Lehigh.edu" <qrp-l@Lehigh.edu>,
netxqrp <netxqrp@mailman.qth.net>
Cc: Dwain Lawhon <ddlawhon@swbell.net>
Subject: [127704] Steve Weber Digital Power Meter
Message-ID: <3CFC4314.E05739E0@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some have said that I am slow, but I prefer to describe myself as
"careful."

On May 10, 2001 I printed and mailed a check to Steve Weber for his new
Digital Power Meter kit. The kit was promptly received and examined and
then put into the queue for building.

After "carefully" considering all aspects and firing up the iron, the kit
was finally completed on May 27, 2002. No sense in rushing these things . .

.

The kit went together with no problems and the meter appears to be accurate in its readings. One disappointment is that the analog output provides insufficient current to drive a one mA meter so I set it up to read "5" on the meter scale with 5 watts applied to the input. It is spot on at that one power reading, so it serves adequately for quick power checks and for peaking circuits, etc.

Steve points out that the precision load resistor gets very hot in a hurry and that a heat sink is advisable. I confirmed that, reading temps as high as 300 degrees on the substrate surface of the resistor after 15 seconds or so. Thus, a heat sink was in order.

The junk box yielded a Radio Shack T0-220 aluminum heat sink (276-1363) which was exactly the right width but too long. The jeweler's saw quickly corrected that problem and produced one piece that exactly covered the resistor area on one side of the substrate and a smaller piece that ended up on the other side at the top.

The neat part here is how the heat sink parts were fastened on. Steve suggests epoxy to marry the load resistor and the heat sink. Having seen K0LOA's version of the meter with a special clip-on heat sink, I wanted to use a similar mechanical arrangement.

The solution came in the form of a 3/4 inch binder clip which exactly fits inside the flat portion of the heat sink. Spread some RS heat sink grease on both pieces and then clamp the two pieces on the load resistor substrate with the larger piece covering the resistor pads and the smaller piece on the back side. After everything is in position, simply remove the wire clips from the binder clip and there you are! Save the clips should you need to remove the heat sink later on.

With the sink in place, running the wattmeter at 5 watts for a couple of minutes at a time produces a substrate temperature of only about 140 degrees, or less than half the previous reading for only a 15-second run.

Again, the Radio Shack parts are the T0-220 Heat Sink (276-1363) for \$1.99 and a tube of grease (276-1372) for another \$1.99.

--

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Date: Tue, 04 Jun 2002 00:33:48 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: carlseye@tampabay.rr.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127705] Re: etching
Message-ID: <5.1.1.6.2.20020604000424.00a91b20@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Carl is absolutely right. Remember, what you must always do: higher
>concentration into lower concentration. I had it GRAPHICALLY illustrated
>for me back in CHEM 101 or '102 at AUBURN ~ 1965 or 1966. Someone-wasn't
>me-added concentrated sulphuric-or hydrochloric (I forget which-but it
>wasn't nitric) acid to the water to be used in the 'experiment' for our
>lab class. I only remember the yells-not any sort of flash or pop-but I
>was maybe 20 ft away.

>What PERMANENTLY impressed me was the way that the guy's shirt front
>looked EXACTLY like some 'monster' with red-hot claws had raked him from
>face to waist. Maybe 1 inch claws. Charred (cloth only) black edges. The
>'victim' was extremely lucky: there were no nasty burns anywhere on his
>body; with only sunburn-like superficial stuff on his face. The safety
>glasses undoubtedly saved his eyes.

>Back then, I USED to have a lot of trouble remembering that you add acid
>to water, and not the other way around. Never have since. It's an
>exothermic chemical reaction (meaning it gives off energy in the form of
>heat)... it becomes dangerous when you put a little (or a lot) of the
>less-concentrated stuff (e.g. the water) in a lot of the concentrated
>stuff. The acid just has more and more acid to react with a little water.

>Doing it the other way around-and slowly, at that-you allow the entire
>portion of the water to absorb the energy of the reaction as you go along.
>If you have a whole bunch of acid, and only a little water, sooner or
>later, as you slowly add much smaller amounts acid, the concentration of
>the mixture becomes so close to that of the acid that the reaction becomes
>insignificant-as you add more acid.

>Just remember: acid TO water and do it SLOWLY. Even a 10% change (at a
>time) produces noticeable reaction product (e.g. the beaker gets warm > HOT.)

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY

189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Mon, 3 Jun 2002 21:35:37 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [127706] PSK31 Revisted...
Message-ID: <20020604043537.14685.qmail@web10006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

A while back I posted a critical review of PSK31 and took a lot of heat for it. I still stand by that review.
However I've been on PSK31 alot the last few days and have been having much better luck with it. Made a fair amount of QSOs and in fact just got off the air with a FK8GX in New Caledonia.
Same antenna, same rig, same laptop and same power. No different from when I posted that critical review.
So when PSK31 works it works great. However from my experience I've seen it not work too well under similar conditions.
Is it the greatest thing since sliced bread? Jury's out on that here.

73!

jeff

=====

AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Do You Yahoo!?
Yahoo! - Official partner of 2002 FIFA World Cup
<http://fifaworldcup.yahoo.com>

Date: Mon, 03 Jun 2002 21:38:18 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127707] Re: Steve Weber Digital Power Meter
Message-ID: <3CFC443A.6080303@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

Thanks for posting this, George. I built one of those neat instruments a year or so ago -- but I do not recall if I added a heat sink or not.

I'll take a look tomorrow and use your approach if I did not.

73, Phil

George, W5YR wrote:

>Some have said that I am slow, but I prefer to describe myself as
>"careful."
>
>On May 10, 2001 I printed and mailed a check to Steve Weber for his new
>Digital Power Meter kit. The kit was promptly received and examined and
>then put into the queue for building.
>
>After "carefully" considering all aspects and firing up the iron, the kit
>was finally completed on May 27, 2002. No sense in rushing these things . .
>.
>
>The kit went together with no problems and the meter appears to be accurate
>in its readings. One disappointment is that the analog output provides
>insufficient current to drive a one mA meter so I set it up to read "5" on
>the meter scale with 5 watts applied to the input. It is spot on at that
>one power reading, so it serves adequately for quick power checks and for
>peaking circuits, etc.
>
>Steve points out that the precision load resistor gets very hot in a hurry
>and that a heat sink is advisable. I confirmed that, reading temps as high
>as 300 degrees on the substrate surface of the resistor after 15 seconds or
>so. Thus, a heat sink was in order.
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>The junk box yielded a Radio Shack T0-220 aluminum heat sink (276-1363)
>which was exactly the right width but too long. The jeweler's saw quickly
>corrected that problem and produced one piece that exactly covered the

>resistor area on one side of the substrate and a smaller piece that ended
>up on the other side at the top.
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>The neat part here is how the heat sink parts were fastened on. Steve
>suggests epoxy to marry the load resistor and the heat sink. Having seen
>K0LOA's version of the meter with a special clip-on heat sink, I wanted to
>use a similar mechanical arrangement.
>
>The solution came in the form of a 3/4 inch binder clip which exactly fits
>inside the flat portion of the heat sink. Spread some RS heat sink grease
>on both pieces and then clamp the two pieces on the load resistor substrate
>with the larger piece covering the resistor pads and the smaller piece on
>the back side. After everything is in position, simply remove the wire
>clips from the binder clip and there you are! Save the clips should you
>need to remove the heat sink later on.
>
>With the sink in place, running the wattmeter at 5 watts for a couple of
>minutes at a time produces a substrate temperature of only about 140
>degrees, or less than half the previous reading for only a 15-second run.
>
>Again, the Radio Shack parts are the T0-220 Heat Sink (276-1363) for \$1.99
>and a tube of grease (276-1372) for another \$1.99.
>

Date: Mon, 03 Jun 2002 23:46:27 -0500
From: "George, W5YR" <w5yr@att.net>
To: fantbb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127708] Re: PSK31 Revisted...
Message-ID: <3CFC4623.64D51514@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff, I missed your earlier posting, but I have found that reducing the bandwidth on QRP PSK31 signals is very effective in increasing the print percentage.

I use a 50-Hz USB filter after tuning the station to the filter center frequency of 1500 Hz. The bandwidth reduction removes most of the QRM in the otherwise wide passband and virtually removes any AGC-grabbing by stronger stations. While the PSK31 program uses DSP filtering for a very narrow detection bandwidth, filtering at that point in the system does

nothing to remove the damage to AGC which the stronger signals have already caused.

PSK31 seems to excel in almost every area except trans-Polar or other propagation situations where ionospheric phase shifts are involved. To PSK31 signals, this is like adding noise to a CW or SSB signal and the copy rapidly decreases. Unlike the noise situation, however, there is no relief in decreasing bandwidth. If PSK31 has an Achilles Heel, this is probably it.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Jeff wrote:

>

> A while back I posted a critical review of PSK31 and took a lot of
> heat for it. I still stand by that review.
> However I've been on PSK31 alot the last few days and have been
> having much better luck with it. Made a fair amount of QSOs and in
> fact just got off the air with a FK8GX in New Caledonia.
> Same antenna, same rig, same laptop and same power. No different from
> when I posted that critical review.
> So when PSK31 works it works great. However from my experience I've
> seen it not work too well under similar conditions.
> Is it the greatest thing since sliced bread? Jury's out on that here.

Date: Mon, 03 Jun 2002 21:47:16 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: fantbb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127709] Re: PSK31 Revisted...
Message-ID: <3CFC4654.1040000@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

Jeff wrote:

>A while back I posted a critical review of PSK31 and took a lot of
>heat for it. I still stand by that review.
>However I've been on PSK31 alot the last few days and have been

>having much better luck with it. Made a fair amount of QSOs and in
>fact just got off the air with a FK8GX in New Caledonia.
>Same antenna, same rig, same laptop and same power. No different from
>when I posted that critical review.
>So when PSK31 works it works great. However from my experience I've
>seen it not work too well under similar conditions.
>

I missed your original post, Jeff -- but I'm curious what "not work too well" means. My experience is similar to with other modes. Sometimes I can work stations I can hardly hear and other times I can't work even the strong ones. I've yet to figure out why that is.

I do know I enjoy the "ergonomics" of PSK-31 a lot, which is really what its all about. And I'm still amazed what can be done with Dave Benson's PSK-XX series of single board PSK31 rigs running low power with Digipan in the computer.

BTW -- I don't much like "sliced bread" :-)

73, Phil

Date: Mon, 03 Jun 2002 21:14:50 -0900
From: "Juan A. Bertolin" <ea5xq@qsl.net>
To: QRP - LIST ADDRESS <qrp-l@Lehigh.EDU>
Subject: [127710] "Radio-Shopping" in San Antonio
Message-ID: <3CFC5ADA.55738708@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi to all,

In a couple of weeks I will be visiting San Antonio, Texas, for spending the weekend and I was wondering myself where to make "Radio-shopping". Taking the chance that my wife will be burning my VISA in San Marcos I would like to disappear for a while and enjoy visiting shops (and shopping with my "radio-money box" savings) in San Antonio to buy electronic components, radio accessories, and so on.

Any help?

Thanks

XE2/EA5XQ/QRP

73s Juan

--

=====

EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
Clubs: URE, G-QRP #9805, QRP-L #1461, EA-QRP #471
@@
Web Site: <http://www.qsl.net/ea5xq> (english version in
<http://www.qsl.net/ea5xq/Indexeng.html>)

=====

Date: Tue, 4 Jun 2002 00:34:18 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127711] Ft. Tuthill Details?
Message-ID: <001a01c20b9a\$3c7a91d0\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can someone please provide me with a link to
the website, or the information directly, for this
year's Ft. Tuthill QRP gathering/hamfest.
(Dates, where exactly, best place to stay, etc.)

I have searched on google but can't find anything
that looks like the definitive site....

Thanks es 72,
Dave Fifield, AD6A

Date: Tue, 4 Jun 2002 17:53:38 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'kr1st@amsat.org'" <kr1st@amsat.org>,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127712] RE: Etching Solution PCBs..how to handle it?
Message-ID: <01C20BF0.C254F740.nkennedy@tcainternet.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

What exactly are you telling us here, Alex?

Leon's solution is pretty much in line with the instructions on my bottle of Ferric Chloride.

72--Nick, WA5BDU

-----Original Message-----

From: Alex [SMTP:kr1st@amsat.org]
Sent: Monday, June 03, 2002 7:03 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Etching Solution PCBs..how to handle it?

Leon Heller wrote:

> > What do you do with the etchant?

> I just pour it down the lavatory. I suppose it should be neutralised (with
> sodium carbonate) first, as water companies don't like acidic waste, but the
> quantities are very small.

Interesting concept. I guess we shouldn't really mind if others treat the one resource we love so much (that little bit of ether we get to play in) with the same respect. I mean the quantities of radiation from PLC devices and RF emitting ID badges are very small compared to what most hams feed their antennas.

Is the ether flushable?

73s,
--Alex

Date: Tue, 04 Jun 2002 08:02:36 -0300
From: Dave Marling <dbm@klis.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127713] Re: Steve Weber Digital Power Meter
Message-ID: <5.1.0.14.0.20020604075757.022d8e98@mail.klis.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:33 PM 03/06/2002 -0500, George, W5YR wrote:

>Some have said that I am slow, but I prefer to describe myself as
>"careful."

I'm with you on this. Savoring the coming experience is all part of the fun. Mine is still in the package. When I retire in another few years I'll need something to do!

Dave
VE1VQ

Date: Tue, 04 Jun 2002 21:44:33 +1000
From: "Ian C. Purdie" <ianpurdie@integritynet.com.au>
To: unlisted-recipients;; (no To-header on input)
Cc: QRP-L <qrp-l@Lehigh.EDU>, Pigs <fpqrp-l@mpna.com>
Subject: [127714] Re: [fpqrp] Surplus Junkbox Parts
Message-ID: <3CFCA821.63C34478@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Mate,

I've written this several times:

[edited version]

Brian, you're my friend, get a web site (QSL.NET is free) + Paypal, heaps of folks here to help you do that.

I have a heavily trafficked site, +100,000 people a month, I think you're an honest man and I would back you FWIW.

You have much to offer the "electronic" community with your items for sale but it's hard to make a recommendation!

Brian Murrey wrote:

>
> Junkbox Surplus Parts for Sale as of 06/01/2002
>
> Latest Items
> =====
> LM78L62ACZ Volt regulators, T092 format 5/\$3.00 10/\$5.00
> SMT4403's - Surf Mount 2N4403 PNP's - 200/\$5
> 9.8304 Mhz Crystals, 1/4 in tall - 25 for \$7.00

> 27mH inductors with radial leads - 50 for \$7.00
>
> Caps - All new, old stock. No pulls.
> =====
> All caps now 50/\$3 or 100/\$5
> =====
> 8pf NPO Ceramic - Loose
> 11pf NPO Ceramic - Loose
> 12pf NPO ceramics on tape
> 22pf Kemet Ceramic Caps, 200v, 10%
> 100pf Axial Mono Caps, 100v, 10%
> 150pf ceramics, 100v, 10%
> 470pf Ceramics on paper tape, rated 5% (NPO)
> 560pf Kemet Ceramic Caps, 200v, 10%
> 1000pf blue mono caps, 10% 100v
> 3300pf Kemet Ceramic Caps, 100v, 10%
> .01 uF ceramic caps, 10% 100v brand new by Kyocera
> and
> .01 uF ceramic caps, 20% 50v, new old stock, not used
> 50/2.50 100/\$4
>
> Voltage Regulators
> =====
> L7805ACV voltage regulators T0220 case. 7/\$4 or 15/\$7
> LM7812 voltage regulators. T0220 case. 5/\$4
> LM317T Adjust. Positive Voltage Regulator T0220. 6/\$5.00 or 12/\$8.50
>
> Transistors - New Parts - No Pulls
> =====
> TP2222 plastic T092 NPN (House brand 2N2222) 50/\$4 100/\$7
> 2N3906's plastic T092. PNP - 50/\$4 100/\$7
> 2N3904's plastic T092. NPN - 50/\$4 100/\$7
> 2N3704's plastic T092, NPN - 50/\$4 100/\$7
>
> Op AMPS, Comparators
> =====
> LM741CN - Single Op Amp, 8 Pin Dip, 6 for \$2.00
> <http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf>
>
> BA10324 - LM324 equiv Quad Ground Sense Op Amp 14 pin, 4 for \$2.00
> <http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>
>
> BA10358 - Dual Ground Sense Op Amp, 8 pin, 5 for \$4.00
> <http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>
>
> BA10393 - Dual Comparator 8 pin dip, 4 for \$2.00
> <http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>
>

> BA10339 - Quad Comparator 14 pin, 4 for \$2.00
> <http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>
>
> BA4560 - Dual High Slew Op Amp, 4 for \$2.00
> <http://www.rohm.com/products/databook/standard/pdf/ba4560.pdf>
>
> Diodes
> =====
> 1N4148 - You always need these. 100 for \$2.50 These are NEW.
>
> Let me know if you're interested. All prices are post paid to the
> USA, unless otherwise noted. I will ship to non USA addresses but we
> need to discuss the shipping charges first.
>
> =====
> KB9BVN/QRP - New Whiteland IN - EM69WN
> QRP-ARCI #10223 QRP-L #1540 FIST #5695
> FISTS CC #764 - Proud Member ARRL
> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

--
72/73's

Ian C. Purdie
Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
<http://www.electronics-tutorials.com/>

Date: Tue, 04 Jun 2002 08:12:58 -0400
From: Mike Czuhajewski <wa8mcq@comcast.net>
To: qrp-l@lehigh.edu
Cc: wa8mcq@comcast.net
Subject: [127715] Good homebrew site Down Under
Message-ID: <007301c20bc1\$2a6a5300\$33333044@gambrl01.md.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Here's an interesting homebrew site which has a number of articles on it.

This was posted to GQRP-L by Patrick Smith (no call given).

<http://www4.tpgi.com.au/users/ldbutler/index.htm>

This is the web page of VK5BR. Lloyd Butler, who is apparently quite a prolific writer down there.

73 and queue our pea DE WA8MCQ

Date: Tue, 4 Jun 2002 08:26:25 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127716] Kenwood 'flector?
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D30267@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Does anyone know of an active Kenwood user's email reflector?

Thanks!
Mark

Date: Tue, 4 Jun 2002 08:39:57 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'sambillingsley@earthlink.net'" <sambillingsley@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127717] RE: EH Antenna Demo - Why not!
Message-ID: <125490A005E3D3118C9C00805FC743CC040F3F81@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

When I put together an EH antenna here, following the instructions of a submitted article, it was about 20 dB worse than our 40-meter dipole in some over-the-air tests. I did note that the antenna achieved 50 ohms under circumstances where EZNEC said it was not 50 ohms, though, so there could be something there. There well could have been a problem with the article design. When we build a project to a submitted article, we duplicate it as closely as possible, so that we are evaluating the article.

I await the results of the tests. Try some A/B tests over skywave paths. If you do A/B tests over shorter distances on groundwave, make sure to

compare it to a vertical antenna. A low horizontal antenna puts little energy toward the horizon, so A/B tests against a low horizontal antenna give a vertically polarized antenna like the EH quite an advantage, according to EZNEC.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Sam Billingsley [mailto:sambillingsley@earthlink.net]
> Sent: Monday, June 03, 2002 11:15 PM
> To: Low Power Amateur Radio Discussion
> Subject: EH Antenna Demo - Why not!
>
>
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>
> Maybe he could meet us on Field Day!
>
> Sam AE4GX
>
>

Date: Tue, 04 Jun 2002 07:52:04 -0500

From: Gary Lee <kb9zuv@arrl.net>
To: qrp-l@lehigh.edu
Subject: [127718] argonaut 509 rear pannel description needed
Message-ID: <3.0.6.32.20020604075204.00799380@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Working on getting my 509 up and running. However, I need a verbal map of the rear pannel of the 509. Can't see the labels, and the manual hasn't scanned well.

TIA for all help.
I wish they had used more standard types of connectors.

Gary Lee
Ball State University
765-285-1310

Date: Tue, 04 Jun 2002 08:17:19 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [127719] Re: argonaut 509 rear pannel description needed
Message-ID: <5.1.1.6.0.20020604080821.00a00130@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

GM Gary,

Believe it or not, I had my Argo 509 on the air Sunday night for a few nostalgic minutes. Still a FB rig considering its vintage but is going back on the shelf again for awhile.

Looking at the rear panel of Argo 509 #3336 - left to right:

Antenna (RCA)
Audio (1/4")
Accessory (?)
Key (RCA)
Dial Light (slide)
RX/XCV (slide)
Rec. Ant (RCA)
Auxilliary (RCA)
12V DC (RCA)
12V IN (RCA) above
Fuse

de Dave, NF0R nf0r@slacc.com

At 07:52 AM 6/4/02 -0500, you wrote:

>Working on getting my 509 up and running. However, I need a verbal map of
>the rear pannel of the 509. Can't see the labels, and the manual hasn't
>scanned well.

Date: Tue, 4 Jun 2002 09:34:10 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "NJQRP NJQRP" <njqrp@njqrp.org>, "chat qrp" <qrp-1@lehigh.edu>,
 "NEQRP LIST" <neqrp@jonal.net>
Subject: [127720] LOBSTERCON web & directions
Message-ID: <001b01c20bcc\$82e0ce00\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang. We're getting some serious interest in LOBSTERCON! Here's the web site
for Thomas Point Beach Park: <http://www.thomaspointbeach.com/>

You can find Thomas Point Park just east of Brunswick, ME at "Cooks Corner"
south off of Route 24. Looks like less than 10 min. off I-95.

Take I-95 north to exit 24, then Rte 196 South. Turn east on to Rte 1 then south
on to Garnet Rd., then go left on rt 24 to Thomas Pt Rd. Online maps aren't very
clear on this, so published directions will be the best means. Rex has Friday
the 5th confirmed too, so that'll relieve pressure for folks who can take a more
relaxed ride. No details on "family motels" yet, but we'll work on that.

The park is on the shore of a salt water inlet, which should provide optimum
ground for vertical antler fans. Report has it that some pretty tall trees are
available, too :) Emphasis is on LOBSTERS ("salt water spiders"), show & tell
and R&R rather than symposia, so no need to bring Power Point presentations.

W1REX has found that "small trailer dogs are permitted", which KI6DS will
appreciate.

73
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd

Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Tue, 4 Jun 2002 07:36:24 -0600
From: William R Colbert <w5xe@juno.com>
To: Mark.Fancher@ae.ge.com, qrp-1@lehigh.edu
Subject: [127721] Re: Kenwood 'flector?
Message-ID: <20020604.073627.-315837.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To subscribe or unsubscribe via the World Wide Web, visit
<http://mailman.qth.net/mailman/listinfo/kenwood>

and if you need the other one for the TS570, it is via
Yahoo.groups

73
Ray

I have gone to look for myself, should I return
before I get back, hold me until I get there!
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M
NARTE-NCT2R FP# 111, SOC#78,QRP-ARCI 5784,
El Paso,(FAR WEST)TEXAS

Date: Tue, 4 Jun 2002 09:48:27 -0400
From: "Corey Dean KF3DY" <hamop@repeater.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127722] FS MFJ 9030
Message-ID: <005901c20bce\$86c151a0\$15329584@fcnb.firstcitizensbank.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have for sale an MFJ 9030 QRP rig with the optional cw filter installed.
I bought this from a friend and find I just do not use it. The rig is in
excellant condition.

I am asking \$100 obo. I do not have the manual.

Thanks Corey KF3DY

Date: Tue, 4 Jun 2002 10:05:22 -0400
From: "Ron McConnell" <rcmcc@earthlink.net>
To: <qrp-1@lehigh.edu>
Cc: <TORourke@KaiserFT.com>, <dk3red@t-online.de>, <W2IOL" <w2iol@arrl.net>, <w1rfi@arrl.org>,
Subject: [127723] RE: Open air feeder impedance: square tube & round wire
Message-ID: <000001c20bd0\$df722ca0\$5ccba441@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi, Tim,

Using freeware* HAMCALC
by George VE3ERP Murphy, ve3erp@encode.com:

1. Square Shield Side & Z to find Center Conductor Diameter

Outer 1" sq & 1/8" wall -> $6/8 = 0.75$ " Shield Inner Side
for _two_ 1/8" walls
 $Z = 25$ ohms
Center conductor diam = 0.533"

OR

2. Square Shield Side & Center Conductor Diameter to find Z:

Shield Side = 0.75"
Center = 0.50"
 $Z = 28.8$ ohms

OR, if, as I now see you have it: 1/8" = both walls

3. Shield Side = 7/8", $Z = 25$ ohms
to get center diam. = 0.622"

OR

4. Shield = 7/8", center diam = 0.5"

to get Z = 38.1 ohms

Any errors are mine, not Murph's.

Cheers, 73,

Ron McConnell
w2iol

* Actually US\$7 to cover the cost of a CD
and shipping from Canada - any leftover to charity.

Date: Tue, 4 Jun 2002 10:43:36 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jona1.net, qrp-1@Lehigh.EDU
Subject: [127724] NEQRP SSB NET tonight 7:30PM EDST 7.285 +- 0.005 MHZ
Message-ID: <0F52B7101C.0C1F01C6-0N85256BCE.0050B7DF@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Resume after 2 weeks of goofing off.

Hope you all come back!!!!!!!!!!

No 8:30 PM tonight

Come on by, Ron

Date: Tue, 4 Jun 2002 10:55:49 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127725] RE: EH Antenna Demo - Why not!
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D30273@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm new to this string - what's an "EH" antenna, I don't think I've heard of this one.

Mark, AA4MF

-----Original Message-----

From: Hare,Ed, W1RFI [mailto:w1rfi@arrl.org]
Sent: Tuesday, June 04, 2002 8:40 AM
To: Low Power Amateur Radio Discussion
Subject: RE: EH Antenna Demo - Why not!

When I put together an EH antenna here, following the instructions of a submitted article, it was about 20 dB worse than our 40-meter dipole in some over-the-air tests. I did note that the antenna achieved 50 ohms under circumstances where EZNEC said it was not 50 ohms, though, so there could be something there. There well could have been a problem with the article design. When we build a project to a submitted article, we duplicate it as closely as possible, so that we are evaluating the article.

I await the results of the tests. Try some A/B tests over skywave paths. If you do A/B tests over shorter distances on groundwave, make sure to compare it to a vertical antenna. A low horizontal antenna puts little energy toward the horizon, so A/B tests against a low horizontal antenna give a vertically polarized antenna like the EH quite an advantage, according to EZNEC.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Sam Billingsley [mailto:sambillingsley@earthlink.net]
> Sent: Monday, June 03, 2002 11:15 PM
> To: Low Power Amateur Radio Discussion
> Subject: EH Antenna Demo - Why not!

>

>

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> personal challenge.
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> Maybe he could meet us on Field Day!
>
> Sam AE4GX
>
>

Date: Tue, 4 Jun 2002 11:14:53 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Mark.Fancher@ae.ge.com'" <Mark.Fancher@ae.ge.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127726] RE: EH Antenna Demo - Why not!
Message-ID: <125490A005E3D3118C9C00805FC743CC040F3F94@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

<http://eh-antenna.com/>

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Fancher, Mark (GEAE) [mailto:Mark.Fancher@ae.ge.com]
> Sent: Tuesday, June 04, 2002 10:56 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: EH Antenna Demo - Why not!
>
>

> I'm new to this string - what's an "EH" antenna, I don't
> think I've heard of
> this one.
>
> Mark, AA4MF
>
> -----Original Message-----
> From: Hare,Ed, W1RFI [mailto:w1rfi@arrl.org]
> Sent: Tuesday, June 04, 2002 8:40 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: EH Antenna Demo - Why not!
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> ARRL Lab
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> Tel: 860-594-0318
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>
>
>

> > -----Original Message-----
> > From: Sam Billingsley [mailto:sambillingsley@earthlink.net]
> > Sent: Monday, June 03, 2002 11:15 PM
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> > Sam AE4GX
> >
> >
>

Date: Tue, 4 Jun 2002 11:33:21 -0400
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
To: "'Hare,Ed, W1RFI'" <w1rfi@arrl.org>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127727] RE: EH Antenna Demo - Why not!
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D30275@ev008msxaege.ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Interesting, Ed, I bet you put a lot of effort into building one of these!

I'm curious how you modeled the two cones in EZNEC. I'd think you'd max out the number of segments trying to define the surfaces. Did you create a pre-processor to simplify this?

Mark, AA4MF

-----Original Message-----

From: Hare,Ed, W1RFI [mailto:w1rfi@arrl.org]
Sent: Tuesday, June 04, 2002 11:15 AM
To: 'Mark.Fancher@ae.ge.com'; Low Power Amateur Radio Discussion
Subject: RE: EH Antenna Demo - Why not!

<http://eh-antenna.com/>

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Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

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> > Sent: Monday, June 03, 2002 11:15 PM
> > To: Low Power Amateur Radio Discussion
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> > Sam AE4GX
> >
> >
>

Date: Tue, 04 Jun 2002 11:51:46 -0400
From: George Murphy VE3ERP <ve3erp@encode.com>
To: "Ron McConnell" <rcmcc@earthlink.net>
Cc: qrp-l@lehigh.edu
Subject: [127728] Re: FW: QRP-L 2575: Open air feeder impedance: round wire &
square tube
Message-ID: <4.3.2.7.0.20020604111437.00a91970@mail.encode.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:20 06/04/2002, you wrote:

>Murph,
>
>FYI. From/To the QRP-L list...
>
>73,
>
>Ron
>w2iol

Hi Ron!

Anyone (like me!) confused with logs, radians, etc. can find quick
solutions in Hamcalc's "Equivalent Values" and "Numbers and Functions"
programs!

-73- Murph
The Hamcalc Guy

[This E-mail scanned for viruses by Orillia ProNet with Declude AntiVirus]

Date: Tue, 4 Jun 2002 11:53:02 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [127729] Re: Opinion?
Message-ID: <125490A005E3D3118C9C00805FC743CC027E3365@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi John,

I think the problem is that it is already assembled.
You wouldn't have any trouble selling a mint condition kit for \$100.

From: <http://www.qsl.net/wq1rp/>
"Where the excitement is building"

73--Zack W1VT NEQRP #10

Date: Tue, 4 Jun 2002 09:36:05 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [127730] Re: Ft. Tuthill Details?
Message-ID: <20020604163604.GB11755@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

<http://www.arca-az.org/arca/docs/convention.htm>

72, Bob N7XY

On Tue, Jun 04, 2002 at 12:34:18AM -0700, Dave Fifield wrote:

> Can someone please provide me with a link to
> the website, or the information directly, for this
> year's Ft. Tuthill QRP gathering/hamfest.
> (Dates, where exactly, best place to stay, etc.)
>
> I have searched on google but can't find anything
> that looks like the definitive site....
>
> Thanks es 72,
> Dave Fifield, AD6A

Date: Tue, 4 Jun 2002 13:53:28 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [127731] Re: Help with mystery parts?
Message-ID: <125490A005E3D3118C9C00805FC743CC027E3366@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I suggest making a current source with a LM317 regulator
and measuring the zener voltages--Zack W1VT

Date: Tue, 4 Jun 2002 13:57:37 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'nielsen@oz.net'" <nielsen@oz.net>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127732] RE: Ft. Tuthill Details?
Message-ID: <125490A005E3D3118C9C00805FC743CC040F3FA5@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

And note that at the "main" event, I am doing a presentation:

10 AM -11 AM "How to be A QRP'er and Enjoy the Challenge"
BLDG 15

- Ed Hare,

W1RFI

The purpose of this one is to promote QRP to the "potential QRPer." If
anyone wants to help, I will gladly share the stage!

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Bob Nielsen [mailto:nielsen@oz.net]

> Sent: Tuesday, June 04, 2002 12:36 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Ft. Tuthill Details?
>
>
> <http://www.arca-az.org/arca/docs/convention.htm>
>
> 72, Bob N7XY
>
> On Tue, Jun 04, 2002 at 12:34:18AM -0700, Dave Fifield wrote:
> > Can someone please provide me with a link to
> > the website, or the information directly, for this
> > year's Ft. Tuthill QRP gathering/hamfest.
> > (Dates, where exactly, best place to stay, etc.)
> >
> > I have searched on google but can't find anything
> > that looks like the definitive site....
> >
> > Thanks es 72,
> > Dave Fifield, AD6A
>

Date: Tue, 4 Jun 2002 13:59:05 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Fancher, Mark (GEAE)'" <Mark.Fancher@ae.ge.com>,
 "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [127733] RE: EH Antenna Demo - Why not!
Message-ID: <125490A005E3D3118C9C00805FC743CC040F3FA6@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

I did it down and dirty, with the radial function. That gives good results for a discone. I wasn't looking for more than a sanity check.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Fancher, Mark (GEAE) [mailto:Mark.Fancher@ae.ge.com]
> Sent: Tuesday, June 04, 2002 11:33 AM
> To: 'Hare,Ed, W1RFI'; Low Power Amateur Radio Discussion
> Subject: RE: EH Antenna Demo - Why not!
>
>
> Interesting, Ed, I bet you put a lot of effort into building
> one of these!
>
> I'm curious how you modeled the two cones in EZNEC. I'd
> think you'd max out the
> number of segments trying to define the surfaces. Did you create a
> pre-processor to simplify this?
>
> Mark, AA4MF
>

> -----Original Message-----
> From: Hare,Ed, W1RFI [mailto:w1rfi@arrl.org]
> Sent: Tuesday, June 04, 2002 11:15 AM
> To: 'Mark.Fancher@ae.ge.com'; Low Power Amateur Radio Discussion
> Subject: RE: EH Antenna Demo - Why not!
>
>

> <http://eh-antenna.com/>
>
> 73,
> Ed Hare, W1RFI
> ARRL Lab
> 225 Main St
> Newington, CT 06111
> Tel: 860-594-0318
> Internet: w1rfi@arrl.org
> Web: <http://www.arrl.org/tis>
>
>
>

> > -----Original Message-----
> > From: Fancher, Mark (GEAE) [mailto:Mark.Fancher@ae.ge.com]
> > Sent: Tuesday, June 04, 2002 10:56 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: RE: EH Antenna Demo - Why not!
> >

> > I'm new to this string - what's an "EH" antenna, I don't
> > think I've heard of
> > this one.
> >

> > Mark, AA4MF
> >
> > -----Original Message-----
> > From: Hare,Ed, W1RFI [mailto:w1rfi@arrl.org]
> > Sent: Tuesday, June 04, 2002 8:40 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: RE: EH Antenna Demo - Why not!
> >
> >
> > When I put together an EH antenna here, following the
> > instructions of a
> > submitted article, it was about 20 dB worse than our 40-meter
> > dipole in some
> > over-the-air tests. I did note that the antenna achieved 50
> > ohms under
> > circumstances where EZNEC said it was not 50 ohms, though, so
> > there could be
> > something there. There well could have been a problem with
> > the article
> > design. When we build a project to a submitted article, we
> > duplicate it as
> > closely as possible, so that we are evaluating the article.
> >
> > I await the results of the tests. Try some A/B tests over
> > skywave paths.
> > If you do A/B tests over shorter distances on groundwave,
> > make sure to
> > compare it to a vertical antenna. A low horizontal antenna
> > puts little
> > energy toward the horizon, so A/B tests against a low
> > horizontal antenna
> > give a vertically polarized antenna like the EH quite an advantage,
> > according to EZNEC.
> >
> > 73,
> > Ed Hare, W1RFI
> > ARRL Lab
> > 225 Main St
> > Newington, CT 06111
> > Tel: 860-594-0318
> > Internet: w1rfi@arrl.org
> > Web: <http://www.arrl.org/tis>
> >
> >
> >
> > > -----Original Message-----
> > > From: Sam Billingsley [mailto:sambillingsley@earthlink.net]
> > > Sent: Monday, June 03, 2002 11:15 PM

> > > To: Low Power Amateur Radio Discussion
> > > Subject: EH Antenna Demo - Why not!
> > >
> > >
> > > I will be happy to bring two antennas, coax, switch a my
> > > INDEX rig. Myabe
> > > someone would volunteer thier K2 for this.
> > >
> > > What's the chance he would just meet me in the parking lot
> > > before or after
> > > the regular July session?
> > >
> > > I don't think tying up the meeting time is worth it but I
> > > sure would like to
> > > get one real comparison.
> > >
> > > I see I'm outnumbered based on the responses but Russ please
> > > pass my my
> > > personal challenge.
> > >
> > > Maybe he could meet us on Field Day!
> > >
> > > Sam AE4GX
> > >
> > >
> >
>

Date: Tue, 04 Jun 2002 12:07:38 -0600
From: William Carver <bcarver@safelink.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [127734] unknown zeners
Message-ID: <3CFD01E9.B94A6D50@safelink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Even simpler, connect a resistor between a power supply and the unknown zener. Exact resistance not terribly critical, try around 1K ohms for starter. Monitor the zener voltage with a DMM. When the voltage stops following the power supply you're there.

If you want to get picky, measure the zener current at the same time. When the current times the voltage is 25% of the power rating of the diode then you will be reasonably close to the specified (but unknown!) zener voltage.

A small glass diode, D07 and such, 25% would be about 100mW, small metal diodes 250mW, certain hefty-constructed-glass diodes might be a fraction of a watt.

Bill - W7AAZ

Date: Tue, 04 Jun 2002 14:06:50 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: zlau@arrl.org,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127735] Re: Help with mystery parts? : FAST current regulator
Message-ID: <5.1.1.6.2.20020604140325.00ad3cb8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

You can have a quick simple 10 or 20mA current source by using a current-regulated LED... if you have any. Won't do 50V zeners... but neither will a '317.

At 01:53 PM 2002-06-04, Lau, Zack, W1VT wrote:
>I suggest making a current source with a LM317 regulator
>and measuring the zener voltages--Zack W1VT

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 4 Jun 2002 14:09:25 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [127736] FW: NEC-LIST: New transmission line analysis and charting
progra

m

Message-ID: <125490A005E3D3118C9C00805FC743CC040F3FA9@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Well worth the price!

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

-----Original Message-----

From: Dan Maguire [mailto:bethdan@pacbell.net]
Sent: Sunday, June 02, 2002 4:43 AM
To: nec-list@gweep.ca
Subject: NEC-LIST: New transmission line analysis and charting program

TLDetails is a new program that may be used to study transmission line behavior. Results are displayed in tabular format and on "animated" (quickly redrawn) charts. The program has built-in specs for 47 different lines and you can define up to 3 custom lines.

See the "TLDetails" section at www.qsl.net/ac6la for more information and a free download file.

73,
Dan AC6LA
--
The NEC-List mailing list <nec-list@gweep.ca>
<http://www.gweep.ca/mailman/listinfo.cgi/nec-list>

Date: Tue, 04 Jun 2002 14:17:41 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: dbm@klis.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [127737] Re: Steve Weber Digital Power Meter
Message-ID: <5.1.1.6.2.20020604141659.00ac86c8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Obviously Dave isn't married, or he'd know that-with retirement-comes all the "honey-do's-in the world!!!

At 07:02 AM 2002-06-04, Dave Marling wrote:

>At 11:33 PM 03/06/2002 -0500, George, W5YR wrote:

>>Some have said that I am slow, but I prefer to describe myself as

>>"careful."

>

>I'm with you on this. Savoring the coming experience is all part of the

>fun. Mine is still in the package. When I retire in another few years

>I'll need something to do!

>

>Dave

>VE1VQ

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY

189 Pioneer Trail

Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by

Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;

SEDXC NCDXA GACW QRP-ARCI

OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 4 Jun 2002 21:06:24 +0100

From: euramcom pages <mel@euramcom.freemove.co.uk>

To: <qrp-l@lehigh.edu>

Subject: [127738] 'mergency, 'mergency!

Message-ID: <T5b495c8126ac1785b325f@pcow057o.blueyonder.co.uk>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Hi Gangue,

Need to unsubscribe like NOW!, moving house Friday at very short=
notice (like 48 hours)

The hull's buckling Captain, she cannae tak much more 'o this,=
she'll
drap oot o warp drive anytime!

Thing is, lost the file with the unsub info. Someone send me
foolproof unsub info, PLEASE.

Regards

Mel

Date: Tue, 4 Jun 2002 21:15:16 +0100
From: euramcom pages <mel@euramcom.freesevice.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [127739] 'mergency unsub
Message-ID: <T5b49649f94ac1785b325f@pcow057o.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Thanks guys, two replies within 4 minutes of posting.

What alist!

Mel

Date: Tue, 4 Jun 2002 21:16:48 +0100
From: euramcom pages <mel@euramcom.freesevice.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [127740] Direct e-mail
Message-ID: <T5b49660777ac1785ec1e1@pcow034o.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi guys,

sending unsub command next. Anyone want to cantac me please use

mel@ecosse.net

for immediate forsee-able future

thanks gangue

Mel

Date: Tue, 04 Jun 2002 14:43:02 -0600
From: Ron KU7Y <mswmod@bigplanet.com>
To: n4xy@earthlink.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127741] Re: Steve Weber Digital Power Meter
Message-ID: <003101c20c08\$993eda20\$c501d2d1@oemcomputer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

> Obviously Dave isn't married, or he'd know that-with retirement-comes all
> the "honey-do's-in the world!!!

No, no Ed,

First you sell your place and go full time RVing and BINGO.... no more
"Honey-do's" to worry about!

OK, back in my hole.....

Ron, KU7Y
ku7y@qsl.net
Full Time RVing somewhere in the West.
Currently back in Boise, ID.

Date: Tue, 4 Jun 2002 13:47:19 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [127742] RE: Etching Solution PCBs..how to handle it?
Message-ID: <NFBBKLDHALEHCJMAJPKFGECGDDAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I thought for sure Leon posted that he added the hot water to a container and that the etchant was in another container in the hot water ... a sort of 'double boiler' approach in which the two never mix ... it just adds a uniform heating method to the etchant that lets it work better.

I've used this approach myself and am quite pleased with the results.

Tracy N4LGH

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Nick Kennedy
Sent: Tuesday, June 04, 2002 3:54 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Etching Solution PCBs..how to handle it?

What exactly are you telling us here, Alex?

Leon's solution is pretty much in line with the instructions on my bottle of Ferric Chloride.

72--Nick, WA5BDU

-----Original Message-----

From: Alex [SMTP:kr1st@amsat.org]
Sent: Monday, June 03, 2002 7:03 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Etching Solution PCBs..how to handle it?

Leon Heller wrote:

> > What do you do with the etchant?

> I just pour it down the lavatory. I suppose it should be neutralised (with
> sodium carbonate) first, as water companies don't like acidic waste, but
the
> quantities are very small.

Interesting concept. I guess we shouldn't really mind if others treat the one resource we love so much (that little bit of ether we get to play in) with the same respect. I mean the quantities of radiation from PLC devices and RF emitting ID badges are very small compared to what most hams feed their antennas.

Is the ether flushable?

73s,
--Alex

Date: Tue, 4 Jun 2002 20:55:42 -0400
From: KC1DI <elbc@pivot.net>
To: qrp-l@Lehigh.EDU
Subject: [127743] Help needed
Message-ID: <200206042055.g54KtR217427@mail.pivot.net>
Content-Type: text/plain;
 charset="iso-8859-15"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Anyone Using Xlog with RedHat Linux 7.2 that could help me get it installed
and running please contact me , Thanks
73/72 Dave KC1DI

Date: Tue, 4 Jun 2002 16:52:34 -0400
From: "Michael N4NMR" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127744] RE: Steve Weber Digital Power Meter
Message-ID: <NGBBJFCEKMGLKMFOFBLAKEPICKAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've seen RVs bigger than my first apartment. So there are lots of
possibilities of Honey-Dos there.

Trick is probably to get the XYL to be an active ham as well.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Ron KU7Y
Sent: Tuesday, June 04, 2002 16:43 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Steve Weber Digital Power Meter

> Obviously Dave isn't married, or he'd know that-with retirement-comes all
> the "honey-do's-in the world!!!

No, no Ed,

First you sell your place and go full time RVing and BINGO.... no more
"Honey-do's" to worry about!

OK, back in my hole.....

Ron, KU7Y
ku7y@qsl.net
Full Time RVing somewhere in the West.
Currently back in Boise, ID.

Date: Tue, 4 Jun 2002 15:18:37 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [127745] DeMaw Book
Message-ID: <NFBBKLDHALEHCJMAJPKFKECJDDAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"Ferromagnetic Core Design and Application Handbook" by the late Doug DeMaw

I got several boxes for the Dayton show - sold them all out. We discovered
that we didn't bring one box of 'em with us -

SO ...

Normally \$19.95 +S&H ... For QRP-L guys and those with a CWS ByteMark Dayton
flyer, it's \$18.00 and we pick up first class postage.

For those of you who collect technical publications, this is a classic by
one of our very own.

Call me direct 800 679-3184 if you want one.

Tracy Markham, N4LGH
CWS ByteMark

Date: Tue, 04 Jun 2002 22:19:43 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: tracy@bytemark.com, qrp-1@Lehigh.EDU
Subject: [127746] RE: Etching Solution PCBs..how to handle it?
Message-ID: <F226urqHpjye0rziJYx0001284e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Tracy Markham" <tracy@bytemark.com>
>Reply-To: tracy@bytemark.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Etching Solution PCBs..how to handle it?
>Date: Tue, 4 Jun 2002 13:47:19 -0700
>
>I thought for sure Leon posted that he added the hot water to a container
>and that the etchant was in another container in the hot water ... a sort
>of
>'double boiler' approach in which the two never mix ... it just adds a
>uniform heating method to the etchant that lets it work better.
>
>I've used this approach myself and am quite pleased with the results.

Yes, that's how I do it. Etching takes about 5 mins. with continuous agitation by rocking the inner container. If any etchant gets spilled, it ends up in the water in the outer container.

BTW, I don't understand all the stuff about adding acid to water (or vice-versa) in this context. FeCl₃ isn't an acid, as such, like sulphuric or hydrochloric, and generates very little heat when mixed with water.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 5 Jun 2002 05:47:40 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127747] RE: Unbuilt K1--IT'S SOLD
Message-ID: <01C20C54.82169760.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I understand the deal has been sealed and the K1 is sold.

Thanks & 72--Nick, WA5BDU

-----Original Message-----

From: Nick Kennedy [SMTP:nkennedy@tcainternet.com]
Sent: Tuesday, June 04, 2002 8:56 AM
To: Low Power Amateur Radio Discussion
Subject: FS: Unbuilt K1

Here's an unbuilt K1 for sale by my good friend Dennis, W5RZ. His note gives the specifics.

72--Nick, WA5BDU

End of QRP-L Digest 2576

